

Algebra I
Solving One-Step Equations with
Addition & Subtraction

Name _____

Solve each equation. SHOW ALL STEPS to receive credit!

1. $n - (-3) = -2$

2. $m + 6 = 3$

3. $p - 4 = 10$

4. $q - 5 = -1$

5. $n - \frac{3}{4} = \frac{5}{4}$

6. $10 = b + 11$

Write an equation to represent each verbal situation below, then solve the equation.

7. A number increased by three is zero.

8. Five more than a number is negative six.

9. The difference of a number and two is negative one.

10. The sum of a number and negative one is ten.

11. A number decreased by negative two is twelve.

12. Seven less than a number is four.

Solve each equation. SHOW ALL STEPS to receive credit!

13. $y - (-2) = 8$

14. $r - \left(-\frac{2}{5}\right) = \frac{2}{3}$

15. $\frac{2}{9} = x + 3$

$$16. -9.4 = w - 3.6$$

$$17. -\frac{10}{3} = -\frac{5}{3} + p$$

$$18. w + 2.9 = 6$$

$$19. \frac{1}{4} = n - \frac{3}{5}$$

$$20. v - \left(-\frac{4}{7}\right) = -\frac{1}{2}$$

$$\text{BONUS: Solve } \frac{1}{2}x + \frac{1}{3}x + \frac{1}{4}x = 1$$